

United States Patent

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Double Cooler "The Cooler Cooler" ice and beverage combination.

Abstract

The Double Cooler "The Cooler Cooler" ice and beverage combination is operable to provide an ice cold beverage without the dilution of melted ice within the beverage. This cooler reduces waste of beverage due to dilution and serves as an ice water dispenser and separate beverage dispenser.

The Core container has a capacity of 2 gallons, its main purpose is to hold ice to provide cooling to the beverage contained in the Inner shell. The Core Container is provided with a Tap Assy to receive and dispense cold water for consumption as the ice melts.

The Inner Shell has a capacity of 5 gallons of liquid. The main purpose is to hold a beverage that can be cooled, but stay separated from the ice in the core, to prevent water dilution as the ice melts. The Inner Shell has a Tap Assy to receive and dispense cooled beverage for non-diluted product consumption through the outer Shell



DOUBLE COOLER / BILL OF MATERIALS

part	dwg. No.	description
Assembly	534-100	Fully assembled product
Outer Shell	534-101	Blow Molded Polyethylene
Inner Shell	534-102	Blow Molded Polyethylene
Core	534-103	Blow Molded Polyethylene
Lid	534-104	Blow Molded Polyethylene
Handle (2 plcs)	534-105	Existing injection molded part
Screw (6 plcs)		#8-18 x 1.125 Truss Head Tapping Screw, Stainless Steel
Cup Holder Bracket	534-106	Existing injection molded part
Screw (2 plcs)		#6-20 x 1/2 Truss Head Tapping Screw, Stainless Steel
Tap Assy (2 plcs)	534-107	Existing assembly of injection molded parts
Tie		Existing fabricated part, 1/16 dia. Nylon woven cord w/crimp clamp
Insulation		Foamed in place